

## INTERNATIONAL SEARCH REPORT

Int. Application No.

PCT/EP 03/00277

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08L53/02 C08F297/04 B32B27/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08L C09D C09J C08F C09K B32B G09F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 02 28965 A (KRATON POLYMERS RES B V ;HANDLIN DALE LEE JR (US); DJIAUM LIE KHON) 11 April 2002 (2002-04-11) * (same applicant, same invention - invalid application priority date); pg.2, line 18-25; pg 6, line 22; pg 6, line 10- pg.8, line 5; pg 8, line 11-pg10, line 25; claims 1-8; examples; pg.1, line 9-20 * page 5, line 28-32; claim 8	1-6
X	US 5 346 964 A (SHIBATA TOORU ET AL) 13 September 1994 (1994-09-13) * column 7, line 30; column 1, line 61-column 2, line 1; column 2, line 31-38; column 3, line 9-12, 40-44; column 9, line 22-33; column 10, line 51-column 12, line 20; column 3, line 55-column 4, line 6* column 7, line 44-59	1-6
-/-		

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the International filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*Z\* document member of the same patent family

Date of the actual completion of the international search

2 February 2004

Date of mailing of the international search report

12.02.04

Name and mailing address of the ISA

European Patent Office, P.O. 5818 Patentlaan 2  
NL - 2220 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx 31 651 epo.nl,  
Fax (+31-70) 340-3018

Authorized officer:

Hammond, A

## INTERNATIONAL SEARCH REPORT

Patent Application No:  
PCI/EP 03/00277

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 09239 A (ESNEAULT CALVIN P ; MAUGANS REXFORD A (US); HO THOI H (US); PATEL R) 8 February 2001 (2001-02-08) * page 2, line 11-12 ; claims 1-7 ; abstract ; page 33, line 32 ; page 1, line 21-22 * page 34, line 19 -page 35, line 24	1-6
X	EP 0 863 193 A (SHELL INT RESEARCH) 9 September 1998 (1998-09-09) * page 6, line 2-5 ; page 2, line 29-54 ; page 3, line 54-56 ; page 4, line 29-34 ; page 4, line 41 - page 5, line 39 *	1-5
Y	US 4 970 259 A (MITCHELL NEIL F ET AL) 13 November 1990 (1990-11-13) * claims 1-15 ; column 3, line 1-9 ; column 4, line 29-36 ; 42-46 ; examples *	1-6
Y	EP 1 061 099 A (KUREHA CHEMICAL IND CO LTD) 20 December 2000 (2000-12-20) * claims 1,2,4,3-17, particularly films and laminated films ; page 4, line 9-31, 42-57 ; page 2, line 1-8 ; abstract *	1-6
A	WO 01 19919 A (SHELL INT RESEARCH) 22 March 2001 (2001-03-22) * abstract ; claims *	1-6
A	EP 0 254 346 A (SHELL INT RESEARCH) 27 January 1988 (1988-01-27) * claims 1-10 ; abstract *	1-6
A	US 6 042 907 A (BLACKWELDER MAURICE W ET AL) 28 March 2000 (2000-03-28) * abstract ; claims 1-5 * column 5, line 41-43	1-6
A	EP 0 413 262 A (KURARAY CO) 20 February 1991 (1991-02-20) * abstract * page 3, line 1-50	1-6
A	EP 0 822 227 A (SHELL INT RESEARCH) 4 February 1998 (1998-02-04) * page 2, line 46-56 ; page 3, line 1-8 ; table 1 *	1-6
A	US 5 627 235 A (HIMES GLENN R) 6 May 1997 (1997-05-06) * column 1, line 10-13 ; column 1, line 60 - column 2, line 5 ; column 2, line 55-65* abstract; table 1	1-6

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP 03/00277

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:  
1-6
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

## Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

International Application No. PCT/EP 03 00277

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

## 1. Claims: 1-5

A composition suitable for the manufacture of fibres, filaments, melt blown or spun bond non-wovens or cast or blown films. The said composition comprising at least 50 wt.% of a styrenic block copolymer of either molecular structure S-EB-S ... (1), or of molecular structure (S-EB) $n$ X ... (2) as described in the application claim 1 ; 10-30 wt.% of a polyolefin ; at least 5 wt.% of a resin which is compatible with the polystyrene blocks ; at least 3 wt.% of a resin which is compatible with the hydrogenated polybutadiene blocks.

## 2. Claim : 6

Fibres, filaments, melt blown or spun bond non-wovens or cast or blown films, derived from a composition according to any one of the claims 1 to 5.

## 3. Claims: 7-10

A styrenic block copolymer product as described in application claims 7-10.

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/00277

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0228965	A	11-04-2002	
		AU 2434702 A	15-04-2002
		EP 1322707 A1	02-07-2003
		WO 0228965 A1	11-04-2002
US 5346964	A	13-09-1994	
		JP 2305814 A	19-12-1990
		JP 2754723 B2	20-05-1998
		US 5306779 A	26-04-1994
		DE 69032963 D1	08-04-1999
		DE 69032963 T2	19-08-1999
		DE 69033210 D1	19-08-1999
		DE 69033210 T2	09-12-1999
		EP 0398758 A2	22-11-1990
		EP 0709413 A1	01-05-1996
		US 5191024 A	02-03-1993
		JP 2764746 B2	11-06-1998
		JP 3072512 A	27-03-1991
		JP 3127872 B2	29-01-2001
		JP 10182925 A	07-07-1998
		JP 3128760 B2	29-01-2001
		JP 10182926 A	07-07-1998
WO 0109239	A	08-02-2001	
		AU 5148800 A	02-01-2001
		AU 5588100 A	02-01-2001
		AU 6615400 A	19-02-2001
		BR 0012087 A	02-04-2002
		BR 0012219 A	07-05-2002
		BR 0013064 A	02-04-2002
		CA 2377553 A1	08-02-2001
		CN 1355826 T	26-06-2002
		CN 1355827 T	26-06-2002
		CN 1355378 T	21-08-2002
		CZ 20020339 A3	17-07-2002
		EP 1198516 A1	24-04-2002
		EP 1189988 A1	27-03-2002
		EP 1208157 A1	29-05-2002
		JP 2003502470 T	21-01-2003
		JP 2003502471 T	21-01-2003
		JP 2003506513 T	18-02-2003
		NO 20020407 A	26-03-2002
		TW 506990 B	21-10-2002
		US 2002147273 A1	10-10-2002
		WO 0077094 A1	21-12-2000
		WO 0077095 A1	21-12-2000
		WO 0109239 A1	08-02-2001
		US 2003119971 A1	26-06-2003
		US 6426390 B1	30-07-2002
		US 2001048991 A1	06-12-2001
		US 2002061981 A1	23-05-2002
		US 2002061982 A1	23-05-2002
		AU 6613800 A	20-11-2001
		CA 2406666 A1	15-11-2001
		EP 1280856 A1	05-02-2003
		WO 0185843 A1	15-11-2001
		US 2003060529 A1	27-03-2003
		US 6437014 B1	20-08-2002
EP 0863193	A	09-09-1998	
		US 5777043 A	07-07-1998
		AU 699760 B2	17-12-1998

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/00277

Patent document: cited in search report	Publication date	Patent family member(s)	Publication date
EP 0863193	A	AU 5641098 A	10-09-1998
		BR 9800829 A	05-10-1999
		CN 1195012 A	07-10-1998
		DE 69809982 D1	23-01-2003
		DE 69809982 T2	28-03-2003
		EP 0863193 A1	09-09-1998
		ES 2189078 T3	01-07-2003
		TR 9800375 A2	21-05-1999
		TW 428021 B	01-04-2001
US 4970259	A 13-11-1990	US 5068138 A	26-11-1991
EP 1061099	A 20-12-2000	EP 1061099 A1	20-12-2000
		CN 1122076 B	24-09-2003
		WO 9945064 A1	10-09-1999
WO 0119919	A 22-03-2001	AU 7656900 A	17-04-2001
		BR 0013990 A	14-05-2002
		CN 1374985 T	16-10-2002
		WO 0119919 A1	22-03-2001
		EP 1224238 A1	24-07-2002
		JP 2003509564 T	11-03-2003
		US 6630532 B1	07-10-2003
EP 0254346	A 27-01-1988	AU 593666 B2	15-02-1990
		AU 7530387 A	14-01-1988
		BR 8703432 A	22-03-1988
		CA 1309530 C	27-10-1992
		DE 3783527 D1	25-02-1993
		DE 3783527 T2	13-05-1993
		EP 0254346 A2	27-01-1988
		ES 2053521 T3	01-08-1994
		JP 2665660 B2	22-10-1997
		JP 63033463 A	13-02-1988
		KR 9610840 B1	09-08-1996
US 6042907	A 28-03-2000	US 6406653 B1	18-06-2002
EP 0413262	A 20-02-1991	JP 2779001 B2	23-07-1998
		JP 3076744 A	02-04-1991
		DE 69025006 D1	07-03-1996
		DE 69025006 T2	19-09-1996
		EP 0413262 A2	20-02-1991
EP 0822227	A 04-02-1998	BR 9705233 A	29-06-1999
		CA 2211944 A1	31-01-1998
		EP 0822227 A1	04-02-1998
		JP 10077382 A	24-03-1998
		TR 9700720 A2	21-02-1998
		TW 416971 B	01-01-2001
		US 5926707 A	20-07-1999
US 5627235	A 06-05-1997	US 5589542 A	31-12-1996
		AT 163031 T	15-02-1998
		AU 687131 B2	19-02-1998
		AU 1107395 A	23-05-1995
		BR 9407936 A	26-11-1996
		CA 2175580 A1	11-05-1995

## INTERNATIONAL SEARCH REPORT

Patent Application No

PCT/EP 03/00277

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5627235	A	CN 1136821 A ,2	27-11-1996
		DE 69408474 D1	12-03-1998
		DE 69408474 T2	04-06-1998
		DK 726927 T3	11-05-1998
		WO 9512645 A1	11-05-1995
		EP 0726927 A1	21-08-1996
		ES 2111966 T3	16-03-1998
		JP 9504566 T	06-05-1997
		NO 961760 A	26-06-1996
		RU 2160755 C2	20-12-2000
		US RE36757 E	27-06-2000

## PATENT COOPERATION TREATY

KRATON Polymers	
IP	
06 MEI 2003	
Action	

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

INVITATION TO PAY ADDITIONAL FEES

(PCT Article 17(3)(a) and Rule 4C.1)

To:

KRATON POLYMERS RESEARCH B.V.  
Attn. Kortekaas, Marcel  
Badhuisweg 3  
1031 CM Amsterdam  
NETHERLANDS

Date of mailing  
(day/month/year)

02/05/2003

Applicant's or agent's file reference

L0004A/FJS-1

PAYMENT DUE

within 30 ~~XXXX~~ days  
from the above date of mailing

International application No.

PCT/EP 03/00277

International filing date  
(day/month/year)

13/01/2003

Applicant:

KRATON POLYMERS RESEARCH B.V.

## 1. This International Searching Authority

- (i) considers that there are 3 (number of) inventions claimed in the international application covered by the claims indicated ~~XXXX~~ on the extra sheet:

and it considers that the international application does not comply with the requirements of unity of invention (Rules 13.1, 13.2 and 13.3) for the reasons indicated ~~XXXX~~ on the extra sheet:

- (ii) ☒ has carried out a partial international search (see Annex) ☐ will establish the international search report on those parts of the international application which relate to the invention first mentioned in claims Nos.:  
1-5
- (iii) will establish the international search report on the other parts of the international application only if, and to the extent to which, additional fees are paid

## 2. The applicant is hereby invited, within the time limit indicated above, to pay the amount indicated below:

EUR 945,00 x 2 = EUR 1.890,00  
Fee per additional invention: number of additional inventions total amount of additional fees

Or, \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

The applicant is informed that, according to Rule 40.2(c), the payment of any additional fee may be made under protest, i.e., a reasoned statement to the effect that the international application complies with the requirement of unity of invention or that the amount of the required additional fee is excessive.

3. ☐ Claim(s) No. \_\_\_\_\_ have been found to be unsearchable under Article 17(2)(b) because of defects under Article 17(2)(a) and therefore have not been included with any invention.

Name and mailing address of the International Searching Authority



European Patent Office, P.B. 5815 Patentlaan 2  
NL-2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer:

Monika Schmitz



## INVITATION TO PAY ADDITIONAL FEES

International application No.

PCT/EP 03/00277

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

## 1. Claims: 1-5

A composition suitable for the manufacture of fibres, filaments, melt blown or spun bond non-wovens or cast or blown films. The said composition comprising at least 50 wt.% of a styrenic block copolymer of either molecular structure S-EB-S ... (1), or of molecular structure (S-EB)<sub>n</sub>X ... (2) as described in the application claim 1; 10-30 wt.% of a polyolefin; at least 5 wt.% of a resin which is compatible with the polystyrene blocks; at least 3 wt.% of a resin which is compatible with the hydrogenated polybutadiene blocks.

## 2. Claim : 6

Fibres, filaments, melt blown or spun bond non-wovens or cast or blown films, derived from a composition according to any one of the claims 1 to 5.

## 3. Claims: 7-10

A styrenic block copolymer product as described in application claims 7-10.

The present application claims contain several inventions in consideration that the "corresponding technical features" or "special technical features" of a composition suitable for the manufacture of fibres, filaments, melt blown or spun bond non-wovens or cast or blown films, comprising at least 50 wt.% of a styrenic block copolymer as detailed in the application claim 1 are not novel and inventive in view of the disclosures of W00228965, US5346964, W00109239, EP0863193, US4970259, EP1061099 etc. (see search report).

Since the application's "corresponding technical features" or "special technical features" of the application's first subjective problem relating to providing the said composition as described above (and also most notably in application claim 1), are not novel and inventive, the application clearly does not contain any "special" technical features within the meaning of Rule 13.2 PCT, that is to say, "...technical features that define a contribution...over the prior art.", and thus the present application does not meet the requirements of Rule 13.1 PCT for lack of unity.

Consequently, it is immediately clear that the present application does not contain a single problem, but rather relates additionally to several other different problems such as various fibres, or filaments, or melt blown or spun bond non-wovens, or cast or blown films etc, or a styrene block copolymer product etc., as addressed and detailed by the above attached analysis of the technical features of each separate invention. As a result of this clear lack of unity, the first invention only has been searched which has resulted in application claims 1-5 only having been searched.

**Annex to Form PCT/ISA/206  
COMMUNICATION RELATING TO THE RESULTS  
OF THE PARTIAL INTERNATIONAL SEARCH**

International Application No

PCT/EP 03/00277

1. The present communication is an Annex to the invitation to pay additional fees (Form PCT/ISA/206). It shows the results of the international search established on the parts of the international application which relate to the invention first mentioned in claims Nos.:
- 1-5
2. This communication is not the international search report which will be established according to Article 18 and Rule 43.
3. If the applicant does not pay any additional search fees, the information appearing in this communication will be considered as the result of the international search and will be included as such in the international search report.
4. If the applicant pays additional fees, the international search report will contain both the information appearing in this communication and the results of the international search on other parts of the international application for which such fees will have been paid.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 02 28965 A (KRATON POLYMERS RES B V ;HANDLIN DALE LEE JR (US); DJIAUW LIE KHON) 11 April 2002 (2002-04-11) * (same applicant, same invention - invalid application priority date); page 2, line 18-25; page 6, line 22; page 6, line 10 - page 8, line 5; page 8, line 11 - page 9, line 19; claims 1-8; examples * page 5, line 28-32 ---	1-5
X	US 5 346 964 A (SHIBATA TOORU ET AL) 13 September 1994 (1994-09-13) * column 7, line 30; column 1, line 61-column 2, line 1; column 2, line 31-38; column 3, line 9-12, 40-44; column 9, line 22-33; column 10, line 51-column 12, line 20; column 3, line 55-column 4, line 6* column 7, line 44-59 ---	1-5
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	-/-	



Further documents are listed in the continuation of box C



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation, or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*8\* document member of the same patent family

**Annex to Form PCT/ISA/206  
COMMUNICATION RELATING TO THE RESULTS  
OF THE PARTIAL INTERNATIONAL SEARCH**

International Application No.  
**PCT/EP 03/00277**

**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 863 193 A (SHELL INT RESEARCH) 9 September 1998 (1998-09-09) * page 6, line 2-5 ; page 2, line 29-54 ; page 3, line 54-56 ; page 4, line 29-34 ; page 4, line 41 - page 5, line 39 *	1-5
Y	US 4 970 259 A (MITCHELL NEIL F ET AL) 13 November 1990 (1990-11-13) * claims 1-15 ; column 3, line 1-9 ; column 4, line 29-36 ; 42-46 ; examples *	1-5
Y	EP 1 061 099 A (KUREHA CHEMICAL IND CO LTD) 20 December 2000 (2000-12-20) * claims 1,2,4,3-17 ; page 4, line 9-31, 42-57 ; page 2, line 1-8 ; abstract *	1-5
A	WO 01 19919 A (SHELL INT RESEARCH) 22 March 2001 (2001-03-22) * abstract ; claims *	1-5
A	EP 0 254 346 A (SHELL INT RESEARCH) 27 January 1988 (1988-01-27) * claims 1-10 ; abstract *	1-5
A	EP 0 413 262 A (KURARAY CO) 20 February 1991 (1991-02-20) * abstract * page 3, line 1-50	1-5
A	EP 0 822 227 A (SHELL INT RESEARCH) 4 February 1998 (1998-02-04) * page 2, line 46-56 ; page 3, line 1-8 ; table 1 *	1-5
A	US 5 627 235 A (HIMES GLENN R) 6 May 1997 (1997-05-06) * column 1, line 10-13 ; column 1, line 60 - column 2, line 5 ; column 2, line 55-65* abstract; table 1	1-5

## Patent Family Annex

Information on patent family members

International Application No

PCT/EP 03/00277

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0228965	A	11-04-2002	AU 2434702 A
		WO 0228965 A1	15-04-2002
			11-04-2002
US 5346964	A	13-09-1994	JP 2305814 A
			19-12-1990
			JP 2754723 B2
			20-05-1998
			US 5306779 A
			26-04-1994
			DE 69032963 D1
			08-04-1999
			DE 69032963 T2
			19-08-1999
			DE 69033210 D1
			19-08-1999
			DE 69033210 T2
			09-12-1999
			EP 0398758 A2
			22-11-1990
			EP 0709413 A1
			01-05-1996
			US 5191024 A
			02-03-1993
			JP 2764746 B2
			11-06-1998
			JP 3072512 A
			27-03-1991
			JP 3127872 B2
			29-01-2001
			JP 10182925 A
			07-07-1998
			JP 3128760 B2
			29-01-2001
			JP 10182926 A
			07-07-1998
WO 0109239	A	08-02-2001	AU 5148800 A
			02-01-2001
			AU 5588100 A
			02-01-2001
			AU 6615400 A
			19-02-2001
			BR 0012087 A
			02-04-2002
			BR 0012219 A
			07-05-2002
			BR 0013064 A
			02-04-2002
			CN 1355826 T
			26-06-2002
			CN 1355827 T
			26-06-2002
			CN 1365378 T
			21-08-2002
			CZ 20020339 A3
			17-07-2002
			EP 1198516 A1
			24-04-2002
			EP 1189988 A1
			27-03-2002
			EP 1208157 A1
			29-05-2002
			JP 2003502470 T
			21-01-2003
			JP 2003502471 T
			21-01-2003
			JP 2003506513 T
			18-02-2003
			NO 20020407 A
			26-03-2002
			US 2002147273 A1
			10-10-2002
			WO 0077094 A1
			21-12-2000
			WO 0077095 A1
			21-12-2000
			WO 0109239 A1
			08-02-2001
			US 6426390 B1
			30-07-2002
			US 2001048991 A1
			06-12-2001
			US 2002061981 A1
			23-05-2002
			US 2002061982 A1
			23-05-2002
			AU 6613800 A
			20-11-2001
			EP 1280856 A1
			05-02-2003
			WO 0185843 A1
			15-11-2001
			US 2003060529 A1
			27-03-2003
			US 6437014 B1
			20-08-2002
EP 0863193	A	09-09-1998	US 5777043 A
			07-07-1998
			AU 699760 B2
			17-12-1998
			AU 5641098 A
			10-09-1998
			BR 9800829 A
			05-10-1999
			CN 1195012 A
			07-10-1998
			DE 69809982 D1
			23-01-2003
			EP 0863193 A1
			09-09-1998

## Patent Family Annex

Information on patent family members

International Application No

PCT/EP 03/00277

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0863193	A	TR 9800375 A2	21-05-1999
		TW 428021 B	01-04-2001
US 4970259	A	13-11-1990 US 5068138 A	26-11-1991
EP 1061099	A	20-12-2000 EP 1061099 A1	20-12-2000
		CN 1292015 T	18-04-2001
		WO 9945064 A1	10-09-1999
WO 0119919	A	22-03-2001 AU 7656900 A	17-04-2001
		BR 0013990 A	14-05-2002
		CN 1374985 T	16-10-2002
		WO 0119919 A1	22-03-2001
		EP 1224238 A1	24-07-2002
		JP 2003509564 T	11-03-2003
EP 0254346	A	27-01-1988 AU 593666 B2	15-02-1990
		AU 7530387 A	14-01-1988
		BR 8703432 A	22-03-1988
		CA 1309530 A1	27-10-1992
		DE 3783527 D1	25-02-1993
		DE 3783527 T2	13-05-1993
		EP 0254346 A2	27-01-1988
		ES 2053521 T3	01-08-1994
		JP 2665660 B2	22-10-1997
		JP 63033463 A	13-02-1988
		KR 9610840 B1	09-08-1996
EP 0413262	A	20-02-1991 JP 2779001 B2	23-07-1998
		JP 3076744 A	02-04-1991
		DE 69025006 D1	07-03-1996
		DE 69025006 T2	19-09-1996
		EP 0413262 A2	20-02-1991
EP 0822227	A	04-02-1998 BR 9705233 A	29-06-1999
		CA 2211944 A1	31-01-1998
		EP 0822227 A1	04-02-1998
		JP 10077382 A	24-03-1998
		TR 9700720 A2	21-02-1998
		TW 416971 B	01-01-2001
		US 5926707 A	20-07-1999
US 5627235	A	06-05-1997 US 5589542 A	31-12-1996
		AT 163031 T	15-02-1998
		AU 687131 B2	19-02-1998
		AU 1107395 A	23-05-1995
		BR 9407936 A	26-11-1996
		CN 1136821 A ,B	27-11-1996
		DE 69408474 D1	12-03-1998
		DE 69408474 T2	04-06-1998
		DK 726927 T3	11-05-1998
		WO 9512645 A1	11-05-1995
		EP 0726927 A1	21-08-1996
		ES 2111966 T3	16-03-1998
		JP 9504566 T	06-05-1997
		NO 961760 A	28-06-1996
		RU 2160755 C2	20-12-2000
		US RE36757 E	27-06-2000